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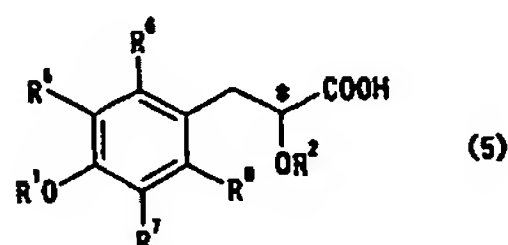
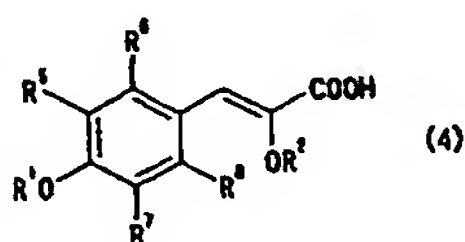
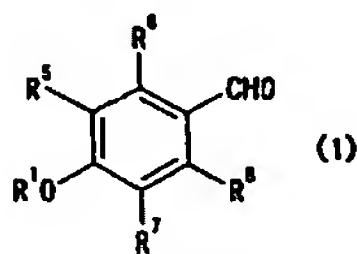
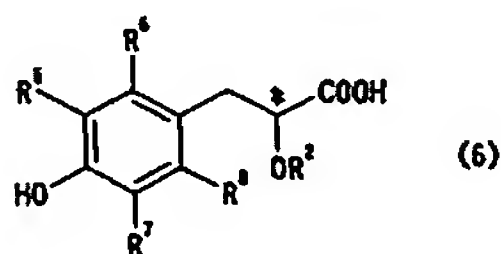
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(54) Title: PROCESS FOR PRODUCING OPTICALLY ACTIVE 3-(4-HYDROXYPHENYL)PROPIONIC ACIDS



(57) Abstract: The present invention relates to a process for producing an optically active 3-(4-hydroxyphenyl)propionic acid useful as intermediates for medicines, through short steps in good yield and with high optical purity. More specifically, the present invention relates to a process for producing an optically active 3-(4-hydroxyphenyl)propionic acid of the formula (6): wherein R² is an alkyl group; R⁵ to R⁸ are each independently a hydrogen atom or a substituent; and the symbol * is an chiral carbon atom, or a salt thereof, which comprises reacting a benzaldehyde of the formula (1): wherein R¹ is a protective group; and R⁵ to R⁸ are each the same as defined above, with a glycolic acid derivative of the formula (2): wherein R³ is a hydrocarbon group; and R² is the same as defined above, hydrolyzing the resulting product to give a cinnamic acid of the formula (4): wherein R¹, R² and R⁵ to R⁸ are each the same as defined above, or a salt thereof, and subjecting the resulting cinnamic acid (4) or a salt thereof to asymmetric hydrogenation to give an optically active phenylpropionic acid of the formula (5): wherein all the symbols are each the same as defined above, or a salt thereof, followed by deprotection.



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